

ELECTRIC WATER HEATER

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Abstract of JP2003290043

PROBLEM TO BE SOLVED: To solve the problem that a circuit breaker works in response to the power of a heater during the operation of other electric equipment such as an electric rice cooker in a current electric water heater for learning a use pattern per each home and automatically switching operation from low-temperature heat-retaining to high-temperature heat-retaining on the basis of the basic use pattern.

SOLUTION: This electric water heater is provided with a container 1 for housing water, a heating means 2 for heating the water or retaining warmth of the water inside of the container, a learning means 7 for learning use conditions in the predetermined period to switch the operation to high-temperature heat-retaining when using the electric water heater and to low-temperature heat-retaining when the electric water heater is not used on the basis of a result of learning, and a power control means for controlling the power of the heating means 2 when switching operation from the low-temperature heat-retaining to the high-temperature heat retaining with the learning means 7. With this structure, this electric water heater learns a use pattern per each home, and automatically switches set-up of heat-retaining temperature between use condition and non-use condition to reduce the power consumption, and furthermore, a circuit breaker does not work when heat-retaining condition is automatically switched from the low-temperature heat-retaining to the high-temperature heat-retaining.

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